SARS-CoV-2 NB.1.8.1 Omicron Variant Recombinant Spike Trimer His Tag

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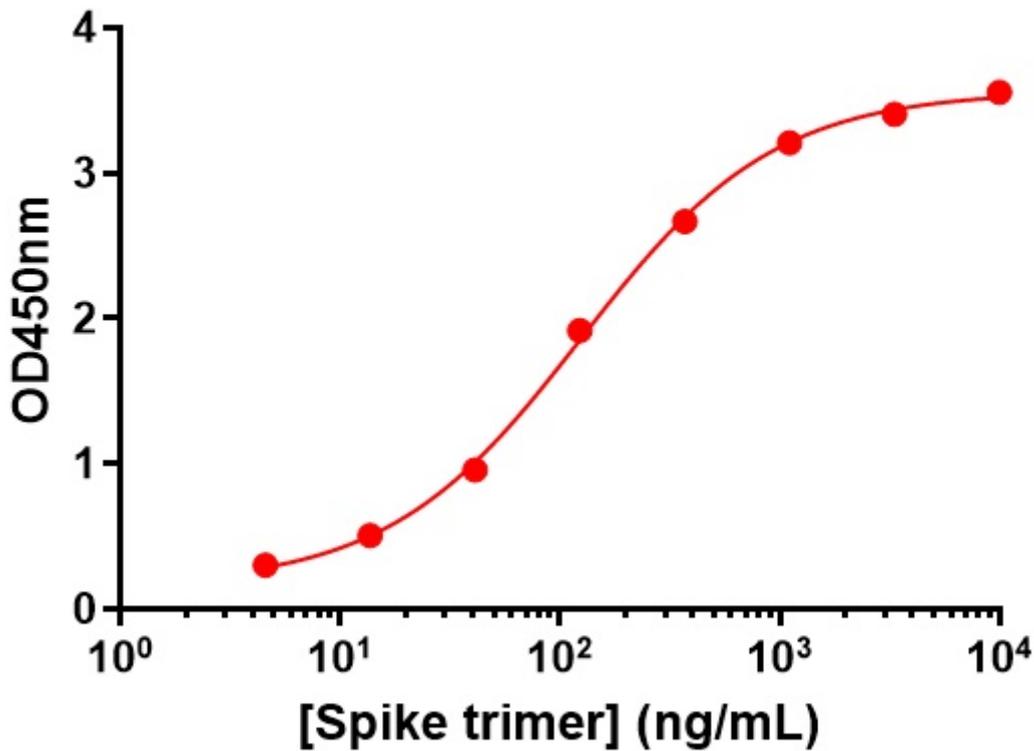**Catalog:** #2838　　　　　　　　　　　　　　　　　　　　　　**Store at:** 2-8ºC

For Research Use Only. Not For Use In Diagnostic Procedures.

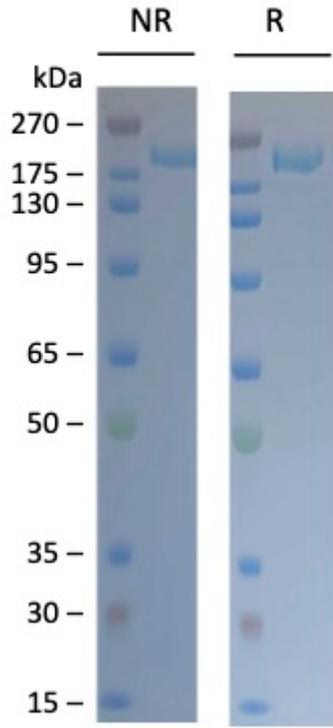| Applications	Detection	Clonality	Isotype
ELISA	Anti-SARS-CoV-2 mAb	SARS-CoV-2	SARS-CoV-2

Format:	His tag
Cross Reactivity:	Predicted to work with mouse, rat and other homologues.
Formulation:	1X PBS, 0.09% NaN3, 0.2% BSA
Preparation:	His tag purification
Reactivity:	Other
Recommended Usage:	Control antigen for SARS-CoV-2 (COVID-19) diagnostic assays. Contains C-terminal His tag used for purification.
Immunogen:	N/A
Description:	

References:
1. Walls A.C. et al., 2019 Cell, 176: 1026-1039.
2. Tang T. et al., 2020, Antiviral Res., 178:10479.
3. Jiang S et al., 2022, Trends Immunol, 41:355-359.
4. Bosch BJ, et al., 2003, J Virol 77:8801-8811.

NB.1.8.1 spike trimer binding to ACE2

Concentration/response curves for binding of CoV2 spike protein to human ACE2 in cell-free ELISA-type assays. Microtiter wells were coated with 100 uL of ACE2-Fc at 2 ug/mL in PBS at 4°C overnight. The wells were washed with PBS and blocked with 200 uL of 1% BSA/PBS at RT for 1 hour. Spike trimer was serially diluted from 10 ug/mL in 1% BSA/PBS. The blocker was discarded, and the wells were incubated with 100 uL of serially diluted spike trimer at RT for 1 hour. The wells were washed with PBS and the bound spike trimer was detected with 100 uL of Peroxidase AffiniPure Rabbit Anti-His Tag (Jackson Immuno Research 300-035-240) (1:5,000 in 1% BSA/PBS) at RT for 1 hour. The wells were washed with PBS and the wells were developed with 100 uL of MB/Et Ultra-Sensitive, Blue, Horseradish Peroxidase Substrate (EMD Millipore ES022-500ml) at RT for 5 min. The reaction was stopped with 100 uL of 0.6N H2SO4 and the signals were read at 450 nm using a plate reader (Biotek).

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N/A